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(72) Inventor: KINZER, Dwight Eric [US/US]; 413 29th

Ave North, Fargo, ND 58102 (US).

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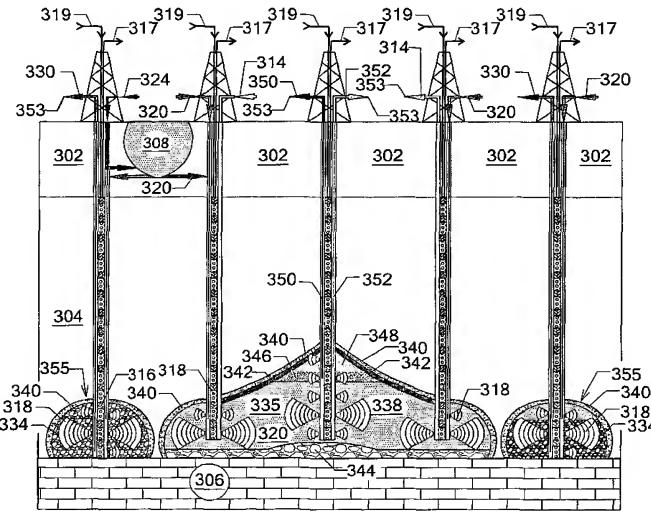
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### **Declarations under Rule 4.17:**

— as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT,

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**(54) Title: EXTRACTING AND PROCESSING HYDROCARBON-BEARING FORMATIONS**



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**(57) Abstract:** A hydrocarbon bearing formation (304) which is heated using a variable frequency automated capacitive radio frequency dielectric heating (334) in situ process. Hydrocarbons or other substances natural to a hydrocarbonaceous formation may be produced by heating specific chemical compositions with or without the use of a carrier medium (320). Separation of desired hydrocarbons from less sought-after constituents can occur in carrier medium (320) subterranean reservoir. Hydrocarbon media can be slurry heated using a variable frequency automated capacitive radio frequency dielectric heating method.



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